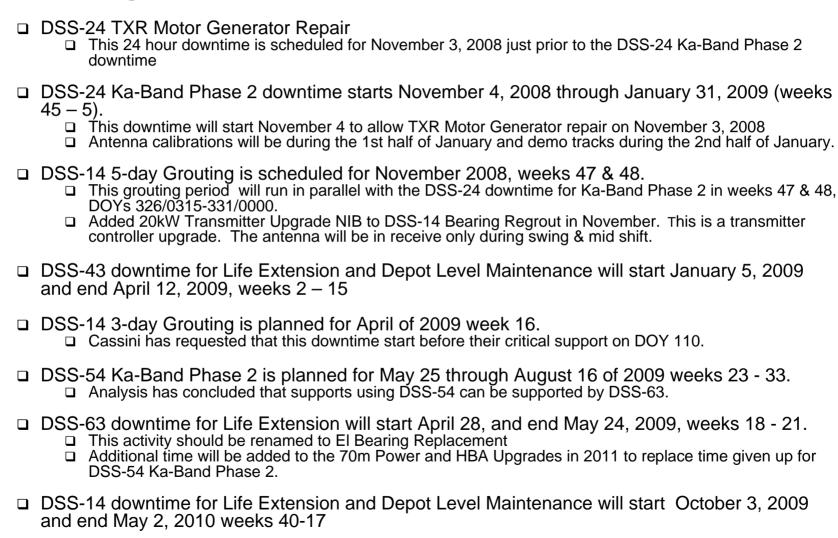


http://rapweb.jpl.nasa.gov/planning

The following downtimes for 2008 and 2009



Downtime request for 2009

| The following | proposals | for downtime | are requested b | v GDSCC. |
|---------------|-----------|--------------|-----------------|----------|
| | p p | | | , |

- Complex preventative maintenance "Apollo Tie-Line Electrical Maintenance"

 A proposal is out for 008/1645-0645 (week 2 of 2009).
 DSS-24 downtime and some projects have not concurred as of yet.

 Complex preventative maintenance "Echo Tie-Line Electrical Maintenance" has been moved to start after the Apollo Tie-Line Electrical Maintenance.

 This can be moved to early CY 2009, proposed for week 7
- □ Complex corrective maintenance "G86/G81 Transfer Switch Electrical Maintenance" □ Has been moved to start NET week 4 of 2009.

Additional time is being requested – these request have been postponed the NET 2009, week 26.

- □ Two 8-hour complex downtimes for cutover, final connection and testing of the new G86 Substation, Mars Site.
- □ Four 14-hour periods between July 2009 and January 2010 for testing of G86 Substation, Mars Site.

The following proposals for antenna downtimes are requested but are on hold at this time.

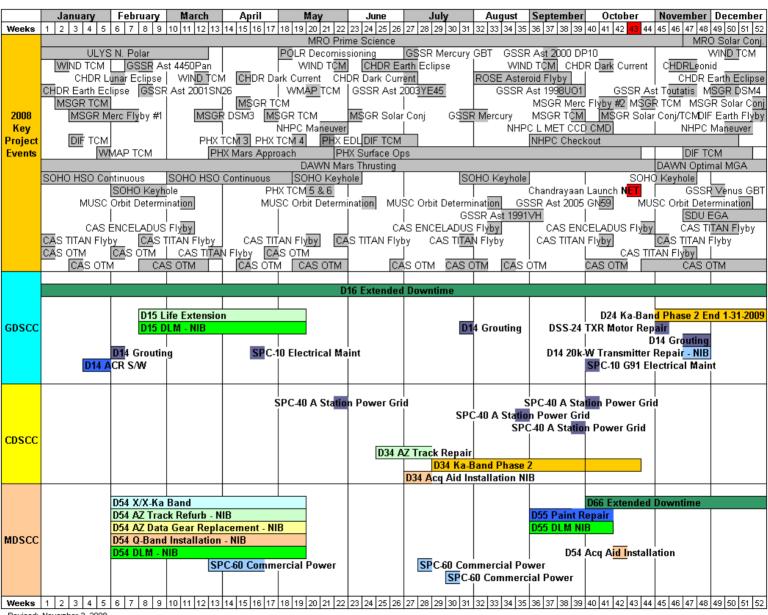
- □ HEF Transmitter Manifold Installation at DSS-15, -45 and -65 between July, 2008 and June 2009 not to be scheduled concurrently with DSS-15 being scheduled first. This is a 4 day downtime period.
 - □ This installation has been put on hold.
- □ Request 7 consecutive days for HEF Servo Installation and test of Rev D board either at DSS-15 or DSS-45.
 - □ Put on hold at this time, but can be scheduled after the DSS-24 Ka-Band Phase 2 and as late as September 2009

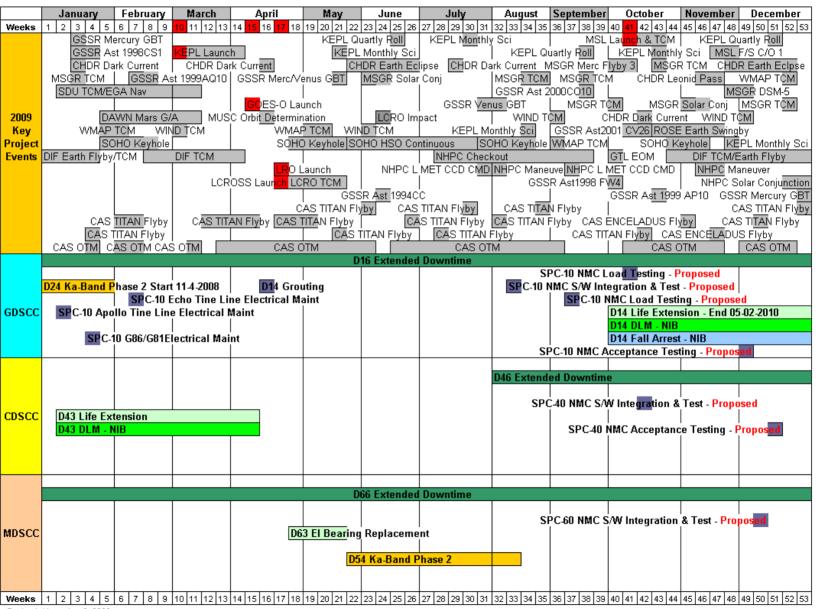
The following proposals for antenna downtimes are requested. Information from the requester is inserted in RED.

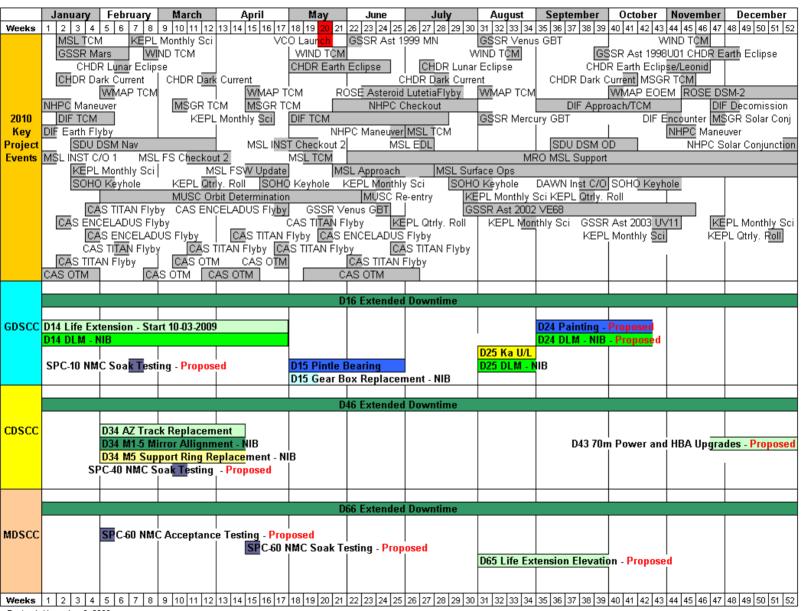
- ☐ There have been no further updates for this request.
- □ Request Complex-TLAN downtime for SPC-10, -40, -60 for NMC S/W Integration and Test
 - □ Request 8 hours between 7/27/2009 and 11/06/2009
- □ Request SPC-10 8-hour complex downtime to install NMC S/W.
 - □ Request 09/08/2009 and 10/05/2009
 - ☐ The intent is to test our software/hardware under operational conditions. The software engineers will be physically at the site monitoring and assessing the software. For this test, we need to conduct it at GDSCC since we will be present at the site.
 - □ MSL launch of October 8, 2009 may impact this downtime.
- □ Request complex downtime for NMC S/W Acceptance test for SPC-10, -40, -60.
 - □ Request 8 hour blocks from 11/7/2009 through 02/05/2010
- □ Request NMC S/W Soak Testing
 - Request 8 hours of downtime for SPC-10 in mid February 2010, SPC-40 in mid March 2010 and SPC-60 in mid April 2010.
 - ☐ The soak testing will start with SPC-10 first, followed by either SPC-40 or SPC-60 depending on the available schedule.
 - □ For SOAK, we plan to install software/hardware and conduct a set of tests before turning the NMC back to ops. We can use the DSN maintenance windows

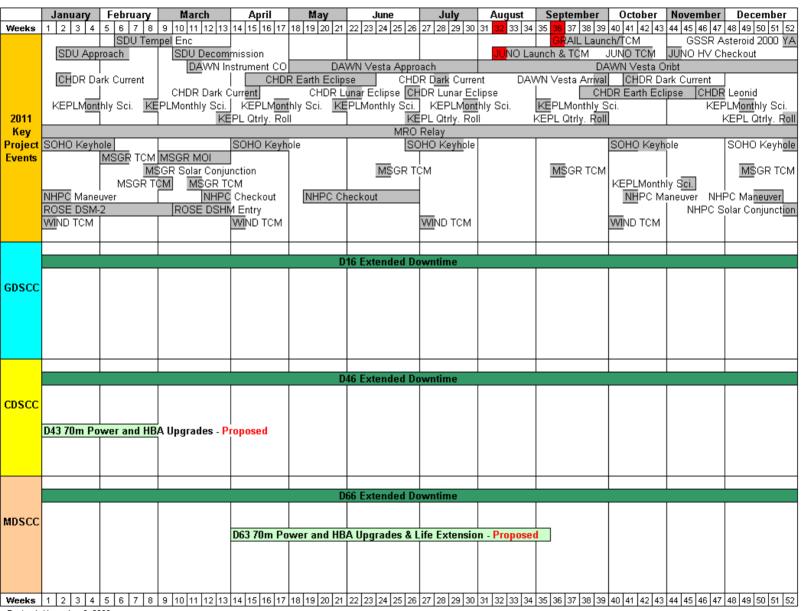
The following downtimes are for 2010 and 2011

| DSS sumr | -34 downtime for Azimuth Track Replacement has been proposed for week 5 of 2010, local |
|-------------|---|
| | It is proposed to start February 1, through April 11, 2010, weeks 5 - 14 This was moved for a Cassini requested support. |
| DSS 25. | -15 downtime for Pintle Bearing is scheduled for May 3, through June 27, 2010, weeks 18 - |
| _ | DSS-15 Elevation Gearbox Replacement will be scheduled during weeks 18 & 19 of the Pintle Bearing downtime. |
| | -25 downtime for Ka U/L is scheduled for August 2 – 29, 2010 weeks 31 – 34. Depot Level Maintenance will be scheduled during this downtime. |
| DSS | -65 downtime for Life Extension Elevation has been proposed for weeks 31 - 41 in 2010. |
| | -24 downtime for painting is proposed for September through October 2010 weeks 35 – 42 Project impacted significantly is Cluster II, they will be moved from DSS-27/24/15/14 to DSS-27/15/14. There will be complete 24/7 downtime for the first 4 weeks and dayshift downtime (1400-0200) for the remaining weeks. No Depot Level Maintenance will be scheduled during this downtime. |
| As a recov | result of the reduction of downtime for DSS-43 & DSS-63 in 2008 & 2009, it is requested to ver that time in 2010 and 2011, local spring, summer or fall after DSS-14 RTS. DSS-43 is proposed for November 2010 thru February 2011 after EPOXI encounter. DSS-63 is proposed for April 4, through September 4 of 2011 weeks 14 – 35, just after Messenger MOI. |









| | lan | иагу | Febr | павл | hd. | arch | April | May | June | July | August | September | Octobor | November | December |
|--------------|-----------------------|---|-------------|--------------|-------------|--------------|--------------------|-------------|-----------------------------------|----------------------|---------------------|------------------------|-----------------------|------------------|------------------|
| Weeks | 4 2 | 2 4 | 5 6 | uaiy 7 º | 0 10 | 11 12 12 | 14 15 18 17 | 19 10 20 21 | 22 23 24 25 26 | 27 28 20 20 | 24 22 22 24 | 35 36 37 38 39 | 40 44 42 43 | 44 45 48 47 | 49 40 50 54 52 |
| Weeks | | | a Oribt | / [0] M | ISGR E | ODM | 14 15 16 17 | 10 19 20 21 | 22 23 24 23 20 | 27 20 29 30 | 31 32 33 34 | | 140141142143 DEOEM | 44 45 46 47 | 40 48 30 31 32 |
| | DAVV | | N Vesta | | | OFWI | | | | | I I Vesta Thrus | | COLINI | | |
| | MAINID | TCM | A AGSTO | я пера | IL | | WIND TCM | | I | WIND TCM | i vesta illius T | | WIND TCM | I | I |
| | AAUAD | I CIVI | LEDI. | Month | l Ju Sai | | Qtrly. Roll | LEDI Month | ı ıly Sci.KEPL <mark>Qt</mark> | | KEPL Month | | Monthly Sci. | | |
| | | | KL-L | | | | <u>Gari</u> y, Kon | KEPE WOULD | KEPL Monthly | ijy. Kuli Sai IZ⊟ | | | | | |
| | | KEPL Monthly Sci. KEPL Monthly Sci. KEPL E0EM MRO Relay | | | | | | | | | | | | | |
| 2012 | | MSL Surface Ops | | | | | | | | | | | | 1 | |
| | CHDE | Dork | Current | | VIOL 30 | CHD | s R Dark Currei | nt M9 | I SL EOPM | | ı ark Current | | | I ark Current | |
| Project | CHIDA | Dair | Current | | | | | | | CHOK D | | L IDD Forth Folings | | |] Loopid |
| Events | | CHDR Earth Eclipse CHDR Leonid JUNO Cruise CHDR Earth Eclipse CHDR Leonid | | | | | | | | | | | | | |
| Lvents | | | | | | .11.1 | NO DSMs DE |)OR | | INO DSMs DE | OOR JUN | O DSMs/DDORs. | /TCMs | JUNO Per M | laint |
| | GRAII | A/R I | .OI/TSF | Phas | | 00 | 140 001110 00 | 7011 | | 1 | I con | | 1 01110 | | olar Conjunction |
| | | | Coniun | | | GRA | IL A/B Scienc | `e | i | | | NHPC Delta Dor | NHPC M | | PC Beacon |
| | I SILIT | Colar | Conjun | iction | | 010 | | IPC Beacon | | | | | Pluto Flyby | | Deacon |
| | | GSSE | Ast 19 | 991 Vk | < | | 141 | | st 1998 HE3 | IGSSE | R Ast 2002 A | M31 | IGSSE | Ast 1998 S | r ₄₉ |
| | GSSE | Ast E | | GSS | R Mars | | | <u> </u> | I | [000] | 1 | | | GSSR Ast | 4179 Tout |
| | 1 | | | | t 2000 | | | | | | | | | 000117.01 | 1 |
| | | | | | 1 | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | D16 Extended Downtime | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| GDSCC | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | D46 Extended Downtime | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| CDSCC | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | ı | | | | | D | 66 Extended D | owntime | ı | | ı | I | 1 |
| MDCCC | | | | | | | | | | | | | | | |
| MDSCC | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Masks | 4 1 2 | 3 4 | 5 6 | 7 0 | 0 401 | 14 42 42 | 14 15 46 47 | 18 10 20 24 | 22 23 24 25 26 | 27 28 20 20 | 34 33 33 34 | 35 36 37 38 39 | 40 44 42 42 | 11 15 16 17 | 48 49 50 54 50 |
| Revised: | | | | ([0 | 9 [10] | 11 12 13 | [14]15[16]17] | 10 13 20 21 | 122 23 24 23 26 | 12/ [20 [29]30 | 151 32 33 34 | 122 20 27 20 23 | -0 +1 42 43 | ++ 45 46 47 | +0 +0 00 01 02 |

DSN Resource Implementation Planning Matrix By Subnet

| | | | S-B | and | Х-В | and | Ka-Band | | Ka |
|--|------------|------------|------|--|------|-----|---------|----------|----------|
| Complex | Station | Subnet | Down | Up | Down | Up | Down | Up | Phase 2 |
| 40 | DSS-46 | 26M* | > | > | N/A | N/A | N/A | N/A | N/A |
| 10 | DSS-27 | 34HSB | ۶ | > | N/A | N/A | N/A | N/A | N/A |
| 10 | DSS-24 | 34B1 | > | > | • | • | N/A | N/A | 02/01/09 |
| 40 | DSS-34 | 34B1 | > | * | • | * | > | N/A | 02/01/09 |
| 60 | DSS-54 | 34B1 | ۶ | > | • | > | > | N/A | 08/17/09 |
| 10 | DSS-25 | 34B2 | N/A | N/A | ~ | • | > | 09/01/10 | N/A |
| 10 | DSS-26 | 34B2 | N/A | N/A | • | • | > | N/A | N/A |
| 60 | DSS-55 | 34B2 | N/A | N/A | * | * | > | N/A | N/A |
| 10 | DSS-15 | 34HEF | > | N/A | • | * | N/A | N/A | N/A |
| 40 | DSS-45 | 34HEF | > | > | • | • | N/A | N/A | N/A |
| 60 | DSS-65 | 34HEF | ۶ | > | * | > | N/A | N/A | N/A |
| 10 | DSS-14 | 70M | ۶ | * | • | • | N/A | N/A | N/A |
| 40 | DSS-43 | 70M | > | > | • | > | N/A | N/A | N/A |
| 60 | DSS-63 | 70M | ۶ | > | * | * | N/A | N/A | N/A |
| N/A = Capability Not Planned xx/xx/xx = Capability Date Recently Changet As of: 11/04/08 | | | | | | | | | |
| ✓ ✓ ✓ = Ca | pability R | ecently Ex | ists | ✓ = Capability Exists * = To Be Decommissioned | | | | ned | |